

IN THE CLAIMS:

This listing of claims will replace any prior versions, and listings, of claims in the application:

1-25. (canceled)

26. (new) A system comprising a source of solvent, and an array having a plurality of micro-perforators that dissolves upon contact with the solvent.

27. (new) The system of claim 26 wherein the plurality of micro-perforators includes a drug that can be released as the micro-perforators dissolve.

28. (new) The system of claim 26 wherein the source of solvent comprises a reservoir.

29. (new) The system of claim 28 wherein the array comprises a patch and the reservoir is configured to be attached to the patch after the patch is affixed to skin.

30. (new) A system for delivering a substance into tissue comprising:

a patch including

a basal layer having a first side and a second side, and

a plurality of micro-perforators projecting from the first side of the basal

layer and formed from a matrix material that can be dissolved in

the tissue; and

a reservoir, including a solvent effective to dissolve the matrix material, that can

be attached to the second side of the basal layer.

31. (new) The system of claim 30 wherein the matrix material comprises the substance.
32. (new) The system of claim 30 wherein the reservoir further includes the substance.
33. (new) The system of claim 32 wherein the matrix material comprises a second substance.
34. (new) The system of claim 30 wherein the substance is a drug.
35. (new) The system of claim 30 wherein the matrix material comprises a polymer.
36. (new) The system of claim 30 wherein the matrix material comprises a carbohydrate derivative.
37. (new) The system of claim 30 wherein the matrix material is water-soluble.
38. (new) The system of claim 30 wherein the reservoir is integrally attached to the second side of the basal layer.

39. (new) A method for delivering a substance into tissue comprising:
- forming a plurality of channels into the tissue by
  - inserting a plurality of micro-perforators formed of a matrix material into the tissue, and
  - dissolving the matrix material to form the plurality of channels; and
  - delivering the substance through the plurality of channels.
40. (new) The method of claim 39 wherein inserting the plurality of micro-perforators into the tissue includes affixing a patch to the tissue.
41. (new) The method of claim 40 wherein dissolving the matrix material includes
- attaching to the patch a reservoir of a solvent effective to dissolve the matrix material, and
  - delivering the solvent from the reservoir to the micro-perforators.
42. (new) The method of claim 39 wherein dissolving the matrix material includes
- delivering a solvent to the matrix material.
43. (new) The method of claim 39 wherein dissolving the matrix material is effective to
- deliver a second substance into the tissue.

44. (new) The method of claim 39 wherein the micro-perforators are attached to a basal layer and the method further comprises removing the basal layer from the tissue after the micro-perforators have dissolved.
45. (new) The method of claim 39 further comprises activating a perforation activation mechanism that is effective to insert the plurality of micro-perforators into the tissue to a predetermined amount.